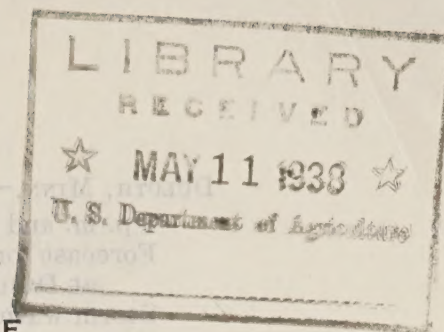


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UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
WASHINGTON

FORECAST DIVISION

April 15, 1938

CIRCULAR

DISTRIBUTION OF WEATHER INFORMATION, FORECASTS, AND WARNINGS
BY RADIO FOR THE BENEFIT OF NAVIGATION ON THE GREAT LAKES

Weather forecasts and information for such States as are contiguous to the Great Lakes, and forecasts and warnings for the Great Lakes, are broadcast by radio from a number of broadcasting stations cooperating with the United States Weather Bureau. The broadcasts of weather forecasts, warnings, and other pertinent information have been arranged so as to be of special benefit to navigation, shipping, and aviation interests of the Great Lakes region, and are made daily, except as noted, from stations at important Lake ports. The daily forecasts of wind and weather are made separately for the upper and lower Lakes, and are broadcast accordingly. In the following schedules central standard time (C. S. T.) or eastern standard time (E. S. T.) is used, as indicated:

RADIO BROADCASTING STATIONS AND SCHEDULES

DULUTH, MINN.

Station WRL.—Radiomarine Corporation of America.

Radiotelegraph. ACCW; 425 kc.

9 a. m. and 4 p. m., C. S. T.

Pressure, wind, and weather at Duluth, Port Arthur, Marquette, and Sault Ste. Marie and wind and weather at Portage and Whitefish Point; observations taken at 6:30 a. m., C. S. T.

Pressure extremes, locations of highs and lows.

Forecast for Lake Superior.

Storm warnings whenever issued.

Station KDAL.—Red River Broadcasting Co., Inc.

Radiotelephone. 1,500 kc.

7:45 a. m., C. S. T. (Except Sundays.)

Forecast for Duluth-Superior and vicinity; wind, minimum temperature, and precipitation at Duluth.

Storm warnings whenever issued.

9:30 a. m., C. S. T.

Forecast for Duluth-Superior and vicinity, Minnesota, and Wisconsin; wind and temperature at Duluth.

Forecast for Lake Superior.

Storm warnings whenever issued.

12:15 p. m. and 6 p. m., C. S. T.

Forecast for Duluth-Superior and vicinity; wind and temperature at Duluth.

Storm warnings whenever issued.

DULUTH, MINN.—Continued.

8 p. m. and 11 p. m., C. S. T.

Forecast for Duluth-Superior and vicinity; wind, maximum temperature, and precipitation at Duluth.

Storm warnings whenever issued.

SUPERIOR, WIS.

Station WEBC.—Head of the Lakes Broadcasting Co.

Radiotelephone. 1,290 kc.

6:28 a. m., C. S. T.

Current temperature.

7 a. m. and 7:30 a. m., C. S. T.

Forecast for Duluth-Superior and vicinity; current temperature and wind.

9:15 a. m., 12:30 p. m., 5 p. m., 5:28 p. m., 10 p. m., and 12 midnight, C. S. T.

Forecast for Duluth-Superior and vicinity; current temperature and wind.

Forecast for Lake Superior.

Lake reports. (At 9:15 a. m. only).

Storm warnings whenever issued.

CALUMET, MICH.

Station WHDF.—Upper Michigan Broadcasting Co. (Laurium, Mich.)

Radiotelephone. 1,370 kc.

12 noon and 5 p. m., E. S. T. (Except Sundays.)

Forecast for Lake Superior during season of navigation.

Storm warnings whenever issued.

MARQUETTE, MICH.

Station WBEO.—The Lake Superior Broadcasting Co.

Radiotelephone. 1,310 kc.

11 a. m. and 1:30 p. m., E. S. T., September 28 to April 25, inclusive; and 11 a. m. and 12:35 p. m., E. S. T., April 26 to September 27, inclusive, daily (on Sundays and holidays during navigation season only).

Forecasts for Marquette and vicinity and Upper Michigan.

Forecast for Lake Superior during season of navigation.

Storm warnings whenever issued.

Warnings of heavy snows and strong winds during winter months.

Station WWM.—U. S. Lighthouse Service, Department of Commerce.

Radiotelephone. 2,572 kc.

12:15 a. m. and 12:15 p. m., E. S. T.

Forecast for the upper Lakes.

Storm warnings whenever issued.

U. S. Lighthouse Notices to Mariners.

U. S. Navy Hydrographic Information.

SAULT STE. MARIE, MICH.

Station WWOJ.—U. S. Lighthouse Service, Department of Commerce.

Radiotelephone. 2,572 kc.

10:15 a. m. and 10:15 p. m., E. S. T.

Forecast for the upper Lakes.

Storm warnings whenever issued.

U. S. Lighthouse Notices to Mariners.

U. S. Navy Hydrographic Information.

Station CJIC.—Hyland Broadcasting Co. (Sault Ste. Marie, Ontario, Canada.)

Radiotelephone. 1,500 kc.

11:30 a. m., E. S. T. (12:30 p. m. on Sundays and holidays.) During season of navigation.

Forecast for the upper Lakes.

Storm warnings whenever issued.

Ships' weather reports.

U. S. Lighthouse Notices to Mariners.

SAULT STE. MARIE, MICH.—Continued.

U. S. Navy Hydrographic Information.

6 p. m., E. S. T. (Except Sundays and Holidays.)

Forecasts for Sault Ste. Marie and vicinity and upper Michigan.

SHERWOOD POINT, WIS.

Station WWOC.—U. S. Lighthouse Service, Department of Commerce.

Radiotelephone. 2,572 kc.

12:15 a. m. and 12:15 p. m., C. S. T.

Forecast for Lake Michigan.

Storm warnings whenever issued.

U. S. Lighthouse Notices to Mariners.

U. S. Navy Hydrographic Information.

GREEN BAY, WIS.

Station WHBY.—WHBY, Inc. (West De Pere, Wis.)

Radiotelephone. 1,200 kc.

9 a. m., 12:15 p. m., and 7:15 p. m., C. S. T. (Except Sundays and holidays.)

Forecasts for Green Bay and Wisconsin.

Forecast for Lake Michigan.

Storm warnings whenever issued.

Station WTAQ.—WHBY, Inc. (West De Pere, Wis.)

Radiotelephone. 1,330 kc.

10 a. m., C. S. T. (Except Sundays and holidays.)

Forecast for Green Bay.

9 a. m., 12:55 p. m., 6:44 p. m., and 10 p. m., C. S. T. (Except Sundays and holidays.)

Forecast for Wisconsin.

Forecast for Lake Michigan.

Storm warnings whenever issued.

MILWAUKEE, WIS.

Station WISN.—Hearst Radio, Inc.

Radiotelephone. 1,120 kc.

10 a. m., C. S. T. (9:30 a. m., on Sundays.)

Forecast for Milwaukee and vicinity; pressure, wind, and current temperature at Milwaukee.

Forecast for Lake Michigan.

Storm warnings whenever issued.

11 p. m., C. S. T.

Forecast for Milwaukee and vicinity; pressure, wind, and temperature at Milwaukee.

Forecast for Lake Michigan.

Storm warnings whenever issued.

Station WWGX.—U. S. Lighthouse Service, Department of Commerce.

Radiotelephone. 2,572 kc.

10:15 a. m. and 10:15 p. m., C. S. T.

Forecast for Milwaukee and vicinity.

Forecast for Lake Michigan.

Storm warnings whenever issued.

U. S. Lighthouse Notices to Mariners.

U. S. Navy Hydrographic Information.

Station WTMJ.—The Journal Co. (Milwaukee Journal). (Brookfield, Wis.)

Radiotelephone. 620 kc.

10 a. m., C. S. T. (Except Sundays and holidays.)

Pressure, wind, and weather at Alpena, Chicago, Duluth, Escanaba, Ludington, Milwaukee, and Sault Ste. Marie, and wind and weather at Mackinaw; observations taken at

6:30 a. m., C. S. T.

Forecasts for Milwaukee and vicinity, Wisconsin, and Illinois.

Forecast for Lake Michigan.

Storm warnings whenever issued.

MILWAUKEE, Wis.—Continued.

1:05 p. m., C. S. T. (Except Sundays).

Forecast for Milwaukee and vicinity, Wisconsin, Illinois; shippers forecast and weather summary.

Forecast for Lake Michigan.

10:30 p. m., C. S. T. (11 p. m. on Saturdays.)

Forecast for Wisconsin; wind and temperature at Milwaukee.

Forecast for Lake Michigan.

Station WEMP.—Milwaukee Broadcasting Co.

Radiotelephone. 1,310 kc.

7:30 a. m. and 11:30 a. m., C. S. T.

Forecast for Milwaukee and vicinity.

CHICAGO, ILL.

Station WAAF.—Drovers Journal Publishing Co.

Radiotelephone. 920 kc.

3:35 to 3:40 p. m., C. S. T.*, as time permits.

Forecast for Chicago and vicinity.

Storm warnings whenever issued.

Station WBBM.—Columbia Broadcasting System, Inc. (Glenview, Ill.)

Radiotelephone. 770 kc.

12:45 a. m., 6:30 a. m., between 7 a. m. and 7:30 a. m., and 6 p. m. Monday to Friday, inclusive (12:15 a. m. and 6 p. m. on Sundays).

Forecast for Chicago and vicinity.

Storm warnings whenever issued.

Station WCFL.—Chicago Federation of Labor. (York Township.)

Radiotelephone. 970 kc.

6:55 a. m., 7:45 a. m., and 8:55 a. m., C. S. T. (Except Sundays.)

Forecasts for Chicago and vicinity, Illinois, Indiana, and Wisconsin.

Forecasts for the upper and lower Lakes.

Storm warnings whenever issued.

Station WGN.—WGN, Inc. (Elgin, Ill.)

Radiotelephone. 720 kc.

10:14 p. m., C. S. T.

Forecast for Chicago and vicinity.

Storm warnings whenever issued.

Station WGO.—Radiomarine Corporation of America.

Radiotelegraph. CW; 454 kc.

9:30 a. m. and 8:50 p. m., C. S. T.

Pressure, wind, and weather at Chicago, Milwaukee, Ludington, Escanaba, and Sault Ste.

Marie; and wind and weather at Whitefish Point, Beaver Island†, and Mackinaw†;

observations taken at 6:30 a. m. and 6:30 p. m., C. S. T.

Forecast for Chicago and vicinity.

Forecasts for the upper and lower Lakes.

Storm and small craft warnings whenever issued.

Station WLS.—Agricultural Broadcasting Co. (Downers Grove, Ill.)

Radiotelephone. 870 kc.

6 a. m., 11:54 a. m., and 12:05 p. m., C. S. T. (Except Sundays.)

Forecasts for Chicago and vicinity, Illinois, Indiana, Wisconsin, Upper Michigan, Lower Michigan, Missouri, and Iowa.

Forecasts for the upper and lower Lakes.

Storm warnings whenever issued.

Station WJJD.—WJJD, Inc. (Des Plains, Ill.)

Radiotelephone. 1,130 kc.

6:15 a. m., 7:05 a. m., 7:20 a. m., 7:58 a. m., 10:30 a. m., 1:15 p. m., and 1:40 p. m., C. S. T.

*One hour earlier during period of "Daylight Saving Time", April 24 to September 24. †a. m. observations only.

CHICAGO, ILL.—Continued.

Forecasts for Chicago and vicinity, Illinois, Indiana, Michigan, Wisconsin, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, and Kansas.
Storm warnings whenever issued.

ROGERS CITY, MICH.

Station WLC.—The Central Radio Telegraph Co.

Radiotelegraph. CW; 454 kc.

10 a. m., E. S. T.

State of weather, wind direction and velocity, and pressure at Chicago, Green Bay, Ludington, Duluth, Port Arthur, Marquette, Sault Ste. Marie, Alpena, Parry Sound, Harbor Beach, Detroit, Cleveland, and Buffalo; wind and weather at Beaver Island, Whitefish Point, Mackinaw, Thunder Bay Island, and Tawas Point; observations taken at 7:30 a. m., E. S. T.

Locations of "highs" and "lows".

10 a. m. and 10 p. m., E. S. T.

Forecasts for the upper and lower Lakes.

Storm and advisory warnings whenever issued.

ALPENA, MICH.

Station WNO.—Michigan Wireless Telegraph Co.

Radiotelegraph. CW; 454 kc.

9:20 a. m., E. S. T.

State of weather, wind direction and velocity, and pressure at Chicago, Green Bay, Ludington, Duluth, Port Arthur, Marquette, Sault Ste. Marie, Alpena, Parry Sound, Harbor Beach, Detroit, Cleveland, and Buffalo; wind and weather at Beaver Island, Whitefish Point, Mackinaw, Thunder Bay Island, and Tawas Point; observations taken at 7:30 a. m., E. S. T.

10:20 a. m., E. S. T.

Forecasts for the upper and lower Lakes.

Storm and advisory warnings whenever issued.

DETROIT, MICH.

Station WXYZ.—King-Trendle Broadcasting Corporation.

Radiotelephone. 1,240 kc.

Between 7 a. m. and 8:30 a. m. and at 12:15 p. m., E. S. T., Monday through Friday; 12 Midnight, E. S. T., Monday through Saturday.

Forecast for Detroit and vicinity and Lower Michigan.

Station WJR.—WJR, The Goodwill Station. (Wyandotte, Mich.)

Radiotelephone. 750 kc.

6:30 a. m., 7:30 a. m., 8:15 a. m., 3 p. m., 4:30 p. m., and 11:15 p. m., E. S. T., Monday through Saturday; 10 a. m. and 1:45 p. m., E. S. T., on Sundays.

Forecasts for Detroit and vicinity, Lower Michigan, Indiana, and Ohio.

Storm warnings whenever issued.

Station WMBC.—Michigan Broadcasting Co.

Radiotelephone. 1,420 kc.

7:15 a. m., 7:45 a. m., 10:30 a. m., 11:30 a. m., 3 p. m., 6 p. m., and 10:45 p. m., E. S. T.
Forecast for Detroit and vicinity.

Station WWJ.—The Evening News Association. (Oak Park, Mich.)

Radiotelephone. 920 kc.

7:50 a. m., E. S. T. (Except Sundays.)

Forecasts for Detroit and vicinity, Lower Michigan, Upper Michigan, Indiana, and Ohio.

12:43 p. m., E. S. T. (Except Sundays.)

Forecasts for Detroit and vicinity, Lower Michigan, Upper Michigan, Indiana, and Ohio.

Forecasts for the upper and lower Lakes.

Summary of weather conditions.

12:30 a. m., E. S. T., except Wednesdays and Sundays; (1 a. m. on Wednesdays; 12 midnight, on Sundays).

Forecasts for Detroit and vicinity.

DETROIT, MICH.—Continued.

Station WCV.—Michigan Wireless Telegraph Co. (Wyandotte, Mich.)

Radiotelegraph. CW; 410 and 425 kc.

10:20 a. m., E. S. T.

Forecasts for the upper and lower Lakes.

Storm warnings whenever issued.

Station W8XWJ.—Evening News Association.

Radiotelephone. 41,000 kc.

11 a. m. and 11:30 p. m., E. S. T.

Forecasts for Detroit and vicinity, Lower Michigan, Upper Michigan, Indiana, and Ohio.

Forecasts for the upper and lower Lakes.

Station CKLW.—Western Ontario Broadcasting Company, Ltd. (Windsor, Ontario, Canada.)

Radiotelephone. 1,030 kc.

4 a. m., E. S. T.

Forecasts for Detroit and vicinity, Lower Michigan, Upper Michigan, Indiana, and Ohio.

Forecasts for the upper and lower Lakes.

Storm warnings whenever issued.

9:15 a. m. and 3 p. m., E. S. T.

Forecasts for Detroit and vicinity and Lower Michigan.

TOLEDO, OHIO.

Station WSPD.—The Fort Industry Co. (Perrysburg, Ohio.)

Radiotelephone. 1,340 kc.

12:05 p. m. and 5:40 p. m., E. S. T. (Except Sundays and holidays.)

Forecast for Toledo and vicinity.

6:58 a. m., 7:30 a. m., and 10:45 p. m., E. S. T. (Except Sundays.)

Forecast for Ohio.

8 a. m., 11:30 a. m., 4:30 p. m. and 11:15 p. m., E. S. T. (On Sundays.)

Forecast for Ohio.

6:58 a. m., 7:30 a. m., 12:05 p. m., 5:40 p. m., and 10:45 p. m., E. S. T. (On holidays.)

Forecast for Ohio.

Station WTOL.—The Community Broadcasting Co.

Radiotelephone. 1,200 kc.

12 noon and 5 p. m., E. S. T. (Except Sundays and holidays.)

Forecast for Toledo and vicinity.

7:45 a. m., E. S. T. (12 noon and 5 p. m., on Sundays and holidays.)

Forecast for Ohio.

CLEVELAND, OHIO.

Station WCY.—Radiomarine Corporation of America. (West Dover, Ohio.)

Radiotelegraph. ACCW; 454 kc.

12 noon and 10:30 p. m., E. S. T.

Pressure, wind, and weather at Cleveland, Toledo, Erie, Buffalo, and Detroit; observations taken at 7:30 a. m. and 7:30 p. m., E. S. T.

Pressure, wind, and weather at Parry Sound, Alpena, Escanaba, Ludington; Chicago, Milwaukee, Sault Ste. Marie, Marquette, Port Arthur, Duluth, and Harbor Beach; and wind and weather at Portage, Whitefish Point, Beaver Island, and Mackinaw; 12 noon broadcast only; observations taken at 7:30 a. m., E. S. T.

Forecasts for the lower and upper Lakes.

Locations of "highs" and "lows".

Storm and advisory warnings for the Great Lakes whenever issued.

Station WMI.—Lorain County Radio Corporation. (Lorain, Ohio.)

Radiotelephone. 2,550 kc., 6,470 kc., 11,370 kc.

11 a. m. and 10 p. m., E. S. T.

Pressure, wind and weather at Buffalo, Erie, Cleveland, Toledo, Detroit, Alpena, Chicago, Milwaukee, Sault Ste. Marie, Marquette, Port Arthur, and Duluth; observations taken at 7:30 a. m. and 7:30 p. m., E. S. T.

CLEVELAND, OHIO.—Continued.

Pressure, wind, and weather at Parry Sound, Ludington, and Escanaba; 11 a. m. broadcast only; observations taken at 7:30 a. m., E. S. T.

Forecasts for the lower and upper Lakes.

Locations of "highs" and "lows".

Storm warnings whenever issued.

Station WTAM.—National Broadcasting Co., Inc. (Brecksville Village, Ohio.)

Radiotelephone. 1,070 kc.

1:20 p. m., E. S. T. (11:05 a. m., on Sundays.)*

Pressure, wind, and weather at Cleveland, Toledo, Erie, Buffalo, and Detroit; observations taken at 7:30 a. m., E. S. T.

Forecasts for Cleveland and vicinity and Ohio.

Forecasts for the lower and upper Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

11 p. m., E. S. T.

Forecast for Ohio.

Storm warnings whenever issued.

BUFFALO, N. Y.

Station WBL.—Radiomarine Corporation of America.

Radiotelegraph. CW; 425 kc.

10 a. m., E. S. T.

Pressure, wind, and weather at Buffalo, Toronto, Oswego, Erie, Cleveland, Toledo, Detroit, Chicago, Duluth, Sault Ste. Marie, Alpena, and Parry Sound; observations taken at 7:30 a. m., E. S. T.

Forecast for the lower Lakes.

Locations of "highs" and "lows".

Storm warnings whenever issued.

Station WGR.—Buffalo Broadcasting Corporation. (Amherst Township.)

Radiotelephone. 550 kc.

8 a. m., 11:15 a. m., 6 p. m., and 11 p. m., E. S. T.*

Forecasts for Buffalo and western New York.

Forecast for the lower Lakes.

Storm warnings whenever issued.

Station WBEN.—WBEN, Inc. (Martinsville, N. Y.)

Radiotelephone. 900 kc.

7 a. m., 9:05 a. m., 12:35 p. m., 6:10 p. m., and 11:15 p. m., E. S. T.*

Forecasts for Buffalo and western New York.

Forecast for the lower Lakes.

Storm warnings whenever issued.

Station WKBW.—Buffalo Broadcasting Corporation. (Amherst Township.)

Radiotelephone. 1,480 kc.

8 a. m., 12:20 p. m., 6:30 p. m., and 11 p. m., E. S. T.*

Forecasts for Buffalo and western New York.

Forecast for the lower Lakes.

Storm warnings whenever issued.

Station WEBR.—WEBR, Inc. (Larkin Terminal Building.)

Radiotelephone. 1,310 kc.

7:35 a. m., 12:05 p. m., 4:05 p. m., 6:35 p. m., and 10:35 p. m., E. S. T.*

Forecasts for Buffalo and western New York.

Forecast for the lower Lakes.

Storm warnings whenever issued.

* One hour earlier during period of "Daylight Saving Time", April 24 to September 24.

ROCHESTER, N. Y.

Station WHAM.—Stromberg-Carlson Telephone Manufacturing Co. (Victor Township.)

Radiotelephone. 1,150 kc.

12:15 p. m. and 6:45 p. m., E. S. T. (Except Sundays.)

Forecast for Rochester and vicinity.

Forecast for the lower Lakes.

Storm warnings whenever issued.

Station WHEC.—WHEC, Inc.

Radiotelephone. 1,430 kc.

12:15 p. m. 4 p. m., and 11 p. m., E. S. T. (Except Sundays and holidays.)

Forecast for Rochester and vicinity.

Forecast for the lower Lakes.

Storm warnings whenever issued.

PITTSBURGH, PA.

Station KDKA.—Westinghouse Electric and Mfg., Co. (Saxonburg, Pa.)

Radiotelephone. 980 kc.

4:25 p. m., E. S. T.

Forecasts for western Pennsylvania, Ohio, and West Virginia.

Between 6:10 p. m. and 6:15 p. m., E. S. T. (Between 6:15 p. m. and 6:30 p. m. on Sundays and holidays.)

Forecasts for western Pennsylvania, Ohio, and West Virginia.

12:13 p. m. and 11:05 p. m., E. S. T.

Forecasts for western Pennsylvania, Ohio, and West Virginia.

Storm warnings for the Great Lakes whenever issued.

Station WCAE.—WCAE, Inc. (Baldwin Township.)

Radiotelephone. 1,220 kc.

6 p. m., E. S. T. (Except Sundays and holidays.)

River stages and temperature.

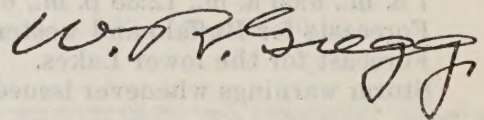
1:30 a. m., E. S. T., daily (6:45 a. m., except Sundays, 8 a. m. on Sundays.)

Forecasts for western Pennsylvania, Ohio, and West Virginia.

Storm warnings for the Great Lakes whenever issued.

Broadcasts are made throughout the year from the following radio stations: KDAL, WEBC, CJIC, WBEO, WHBY, WTAQ, WISN, WTMJ, WEMP, WWGX, WAAF, WBBM, WCFL, WGN, WLS, WJJD, WXYZ, WJR, WMBC, WWJ, W8XWJ, CKLW, WSPD, WTOL, WTAM, WGR, WBEN, WKBW, WEBR, WHAM, WHEC, KDKA, and WCAE.

Storm warnings, weather conditions at certain indicated Lake points, and the forecasts for the upper and lower Lakes are broadcast only during the season of navigation.



Chief of Bureau.

This edition supersedes all other editions of this circular. Additional copies of this Circular may be procured on application to any Weather Bureau Office at Great Lake ports or to Washington, D. C.

514-17 (WB-5-3-38-2,000)